

## Special Issue

# Metabolomics in Pulmonary Diseases

### Message from the Guest Editors

Metabolomics, the comprehensive analysis of small molecules in biological samples, has emerged as a powerful tool in the field of pulmonary medicine such as COPD, asthma, pulmonary fibrosis, Sarcoidosis, lung cancer, and viral and bacterial pneumonia. One of the key rationales for utilizing metabolomics in pulmonary diseases is the ability to capture the dynamic metabolic changes occurring in the lungs and systemic circulation. By analyzing the global metabolic profile, metabolomics can provide a snapshot of the metabolite alterations associated with pulmonary diseases that can unravel dysregulated metabolic pathways in different lung conditions. This holistic approach allows for the identification of novel biomarkers for early diagnosis, disease classification, and insights into the molecular processes driving disease progression and may hold great promise for minimizing side effects, and enhancing patient care in pulmonary disease. The Special Issue welcomes original articles, reviews, and perspectives that contribute to understanding metabolic alterations, diagnostics and prognostics biomarker discovery and stratification of diseases.

### Guest Editors

Dr. Mohammad Mehdi Banoei

Department of Biological Sciences, Faculty of Sciences, University of Calgary, Calgary, AB T2N 4Z6, Canada

Dr. Mehdi Mirsaeidi

Division of Pulmonary and Critical Care, Department of Medicine, University of Florida, Jacksonville, FL 32611, USA

### Deadline for manuscript submissions

closed (31 May 2024)



## Metabolites

an Open Access Journal  
by MDPI

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/si/185391](https://mdpi.com/si/185391)

*Metabolites*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)

[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)





# Metabolites

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)



## About the Journal

### Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

---

### Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).